

AIM Ann Report  
1920 to 1921

ANNUAL REPORT  
OF THE  
AUCKLAND INSTITUTE  
AND  
MUSEUM  
FOR  
1920-1921.

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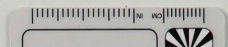
ADOPTED AT THE ANNUAL MEETING  
HELD FEBRUARY 28th, 1921.

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AUCKLAND:  
BRETT PRINTING AND PUBLISHING CO., LTD., SHORTLAND STREET—33783

1921.

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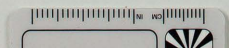
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OFFICERS  
OF THE  
AUCKLAND INSTITUTE,  
1920-1921.

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**President:**

J. H. GUNSON, Esq., Mayor of Auckland.

**Vice-Presidents**

HON. E. MITCHELSON, M.L.C.

HON. C. J. PARR, C.M.G., M.P.

**Council:**

KENDERDINE, J.

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LUNN, A. J.

MILLER, E. V.

OSTLER, H. H.

PEACOCK, T.

PETRIE, D., M.A.

SEGAR, PROF. H. W., M.A.

THOMAS, PROF. A. P. W., M.A., F.L.S.

VAILE, H. E.

WORLEY, PROF. F. P., D.Sc.

**Trustees:**

PEACOCK, T.

THOMAS, PROF. A. P. W.

UPTON, J. H.

VAILE, H. E.

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T. F. CHEESEMAN, F.L.S., F.Z.S.

**Assistant and Preparator of Specimens:**

L. T. GRIFFIN, F.Z.S.

**Auditor:**

S. GRAY, F.R.A.

The following  
Periodicals and Publications of Societies  
are subscribed to by the Institute :

NATURE.  
SCIENCE.  
DISCOVERY.  
THE PHILOSOPHICAL MAGAZINE.  
THE AMERICAN JOURNAL OF SCIENCE.  
AMERICAN CHEMICAL JOURNAL.  
THE ELECTRICIAN.  
THE PHYSICAL REVIEW.  
COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES SCIENCES.  
ANNALS AND MAGAZINE OF NATURAL HISTORY.  
QUARTERLY JOURNAL OF MICROSCOPICAL SCIENCE.  
ANNALS OF BOTANY.  
THE BOTANICAL GAZETTE.  
THE GARDENER'S CHRONICLE.  
JOURNAL OF AGRICULTURAL SCIENCE.  
THE GEOLOGICAL MAGAZINE.  
SCIENCE PROGRESS.  
THE ECONOMIC JOURNAL.  
THE LANCET.  
MIND.

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TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY.  
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL SOCIETY.  
THE ZOOLOGICAL RECORD.  
PUBLICATIONS OF THE RAY SOCIETY.  
JOURNAL OF THE CHEMICAL SOCIETY.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.  
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.  
JOURNAL OF THE ROYAL AGRICULTURAL SOCIETY.  
THE GEOGRAPHICAL JOURNAL.  
REPORT OF THE BRITISH ASSOCIATION.  
JOURNAL OF THE STATISTICAL SOCIETY.



## Report of the Council.

At the expiry of another year, it is the duty of the Council to submit to the members and the general public their Fifty-third Annual Report on the condition of the Society and the progress it has made during the year.

**Members.**—The number of new members added during the year has been 24. Against this, 29 names have been removed; 9 from death, 14 from resignation or removal from the Provincial District, and 6 from non-payment of subscription for more than two consecutive years. The net loss has thus been 5, the number of members at the present time being 450.

Several of the members removed by death have been long in association with the Institute, and have rendered important services to it. Mr. John Reid served on the Council from 1895 to 1915, and was appointed a Trustee in 1906, a post which he occupied until his death, with credit to himself and the Institute. Mr. E. K. Mulgan has contributed lectures and papers of importance, while his position as an educationalist of the first rank renders his loss a serious one. The decease of the Hon. J. A. Tole should also be referred to, for although he took no active part in the affairs of the Institute, his work in connection with education generally placed him in sympathetic accord with it.

**Finance.**—A full statement of the financial position of the Society is given in the balance-sheets appended to this Report; but it is convenient to present a brief synopsis here. The total revenue of the Working Account, after deducting the balance in hand at the beginning of the year, has been £1,867/5/7, being a decrease of £8/19/8 on the amount for the previous year. Examining the various items, it will be noted that the members' subscriptions show an increase from £407/8/- to £429/9/-. The receipts from the Museum Endowment have amounted to £764/12/10, or almost exactly the same sum as that credited last year. The invested funds of the Costley Bequest have yielded £466/10/-, also showing a slight increase on the amount realised during the previous year. The total expenditure has been £1,753/9/-, and the cash balance in hand is £373/13/4.

The invested funds of the Society, which now amount to the sum of £23,211/8/9, have had the careful attention of the Trustees during the year. The manner in which the funds are invested, and their apportionment, are detailed in the appendix to the balance-sheet.

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**Meetings.**—Nine meetings have been held during the year, at which various lectures were delivered, and an opportunity offered for discussion. Certain papers were also forwarded for publication in the Transactions of the New Zealand Institute. The following is a complete list of both papers and lectures:—

1. Ceylon: Its People and its Archaeology: By Mr. C. M. Carter.
2. Some Applications of Modern Psychology: By Dr. A. B. Fitt, M.A., Ph.D.
3. Coral Islands: Part 1, The Reef, its Structure and Origin: By Professor J. C. Johnson, M.Sc., F.Z.S.
4. Coral Islands: Part 2, The Island, with particular reference to Polynesia: By Professor J. C. Johnson, M.Sc., F.Z.S.
5. The Theory of Relativity: By Mr. E. V. Miller.
6. Atoms and the Transmutation of the Elements: By Professor F. P. Worley, M.Sc., D.Sc.
7. The Scenic Attractions of the Tongariro National Park: By Professor R. M. Algie, LL.M.
8. Maori Warfare: By Dr. P. H. Buck, D.S.O., M.D. (Te Rangihiroa).
9. New Species of Plants: By T. F. Cheeseman, F.L.S.
10. Descriptions of New Native Plants: By D. Petrie.
11. Notes on the Geology of the Great Barrier Island: By Mr. J. A. Bartrum.
12. Notes on the Geology of the Waikato Heads District: By J. Gilbert, M.Sc.
13. Descriptions of four fishes new to New Zealand: By L. T. Griffin, F.Z.S.
14. The Maori Food Supplies of Lake Rotorua: By Dr. P. H. Buck, D.S.O., M.D.
15. Maori Decorative Art: By Dr. P. H. Buck, D.S.O., M.D.

Those of the above papers which were intended for publication in the "Transactions of the New Zealand Institute" have been forwarded to the Editor, and will probably appear in Volume 53, now in the press. Volume 52, containing the papers read before the various branches of the Institute during the year 1919, has been issued during the year, and distributed among the members.



**Library.**—About £150 has been expended over the Library during the year; but some expenditure incurred for the purchase of books and for book-binding has still to be met. Two consignments of books, numbering over 100 volumes, have been received during the year. Six weeks ago, another order was despatched, which should arrive during the autumn. A list of all recent additions will be found in the appendix to the report. The magazines and other serial publications subscribed to by the Institute, a list of which will be found on another page, have been regularly received, and have been made available for the use of readers. Various books and memoirs, all mentioned in the appendix, have been received in exchange, and several donations have been made by private individuals. Under this heading, special mention should be made of a set of 50 bound volumes of the periodical "Engineering," presented by the Trustees of the late H. Metcalfe, C.E. The gift is of considerable importance from a technological point of view, and will form a welcome addition to the Library.

The scarcity of shelf-room in the Library has long been a source of anxiety to the Council. An attempt has been made to mitigate the evil by erecting a temporary range of shelving in the Assistant's room, to which the geographical portion of the Library has been transferred. This has slightly alleviated matters; but the position will soon be as acute as before. At the present time there can be no proper classification of the books on the shelving, making it more difficult for readers to consult the library, and causing much increased work to the custodians.

**Museum.**—With the exception of a very short period necessarily reserved for cleaning and re-arrangement, the Museum has been open to the public during the whole of the year. The attendance has been most satisfactory, as proved by the following statistics. Taking the Sunday attendance first, the register kept by the janitor shows that 27,102 people entered the building on that day, being an average of 521 for each Sunday. The greatest attendance was 887 on April 4th, the smallest 88 on September 26th. The total number of visitors on the ten chief holidays of the year was 8,478, or an average of 847 for each holiday. The greatest attendance on any one holiday was 4,320 on April 23, the date of the arrival of the Prince of Wales. But this extraordinary attendance was purely caused by the massing of huge crowds at the foot of Princes Street in order to see the Prince's vessel arrive and pass up the harbour to her berth. The next largest attendance was on King's Birthday, amounting to 975; but the number of visitors on Easter Monday and Labour Day

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almost equalled that. As explained in last year's report, it is impossible to give the actual attendance on ordinary week days, but it is believed to be about 250, which would give a total of 75,000. Adding this number to that counted for Sundays and holidays, the grand total becomes 112,500. Last year the number was estimated at 107,787.

In the report for the previous year, the Council stated that in the present congested state of the Museum it is practically impossible to make any changes of importance therein, or to exhibit more than a small proportion of the many additions that are being regularly received. The correctness of this statement will become more obvious with each succeeding year. All that can be done at present is to keep the collections in good order and condition, and to see that they are properly labelled and arranged for public exhibition. In short, until a new building is provided, little work can be done in the Museum itself beyond those minor alterations and improvements that can still be carried out. During the year it has been proved that excellent work can be done, and important results obtained, by a series of short collecting trips into various parts of the country. It is suggested that this plan should be extended during the coming year.

The additions and donations received or announced during the year have been exceptionally numerous and valuable, as will be seen from the list appended to the report; but only the more important can be mentioned here. Among them, the chief place must be given to Mr. J. B. Turner's superb collection of Fijian and Polynesian ethnological specimens. For nearly 50 years Mr. Turner has been engaged in building up this collection, which is recognised as being the finest and most complete in Fiji. It contains sets of nearly all the articles necessary to fully illustrate the manners and customs of the ancient Fijian; and when placed in association with the Maori collection in the Auckland Museum, and the numerous Polynesian articles already there, will render the Museum pre-eminent as a centre for the study of Polynesian culture. Mr. Turner is a native of Auckland, and his magnanimous gift will ensure him a high place among the benefactors of the city.

During a collecting tour made by Mr. Griffin through the Hauraki Plains and other districts, donations of Maori articles were received from many settlers. Mr. L. Carter presented three large ancient stone-worked carvings; a bundle of 17 long rods presumably used in house-building; 2 fine wooden wedges,

together with a number of other objects. Interesting Maori articles were also presented by Messrs. Miln, Benny, and Bond, R. Muir, J. A. Lennard, J. Kidd, T. Dunbar, Mrs. Shelley, and others. Articles of note from other districts have been received from G. Graham, Col. Boscawen, S. A. Browne, D. Munro, R. Wild, F. Wood, and numerous others.

Attention should also be directed to an interesting collection of ethnological articles from Assyria, comprising 17 inscribed clay tablets, a Roman lamp, 4 scarabs, 30 ancient coins, the whole presented by Mr. Graham Findlay. Finally, it is well to mention a collection of ethnological specimens from Australia received in exchange from the Australian Museum, Sydney. For particulars respecting donations of natural history specimens and war collections, reference should be made to the appendices to this report.

#### **The War Memorial Museum and the Appeal for Funds.**

—At the last Annual Meeting, held on February 23, 1920, full particulars were given of the progress of the scheme up to the time of the meeting. Briefly stated, it had been decided that the War Memorial for the City of Auckland should consist of a suitable building to be erected on Observatory Hill, in the Auckland Domain. It was further decided that the building should form a combined Museum and War Collection; and that it should be planned on an impressive and dignified scale, so as to keep permanently alive the purpose and aim of its existence as a memorial of the Great War.

The first step was clearly to obtain information as to the minimum cost of a building large enough to accommodate the War Collections and associated "Hall of Memory," together with the collections of the present Auckland Museum. Without such particulars, it was obviously impossible to frame an appeal for funds of a sufficiently definite nature to place before the citizens of Auckland. A committee of the Council was therefore appointed to investigate the matter; and sufficient evidence of a reliable nature was obtained to enable the committee to form an adequate idea of Museum requirements.

After consideration, it was decided that the next step should be to ascertain what assistance could be obtained from the State. The Mayor, as President of the Institute, appealed to the Prime Minister on the subject. After the facts of the case had been fully and clearly represented, a reply was received to the effect that a grant of £25,000 would be made if a similar sum was obtained by public subscription.

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It was then determined to apply to the major financial institutions of the city, the name of the Auckland Savings Bank heading the list. The request was generously and willingly received by the Bank, which unanimously agreed to give a donation of £25,000—probably the largest single donation ever made in Auckland. Then came a reply from the Auckland Racing Club, which at first voted a donation of £2,000, which was afterwards generously increased to £5,065, that sum representing the net profits derived from the race meeting given in honour of the visit of the Prince of Wales to Auckland.

At this stage it was felt that the time had arrived for setting up an organisation to promote the furtherance of the appeal for funds, and to enlarge the number of workers in the cause. A public meeting was therefore held in the Town Hall on October 22, the Mayor in the chair. It was then resolved to appoint a Citizens' Committee to promote and organise a public appeal throughout the Auckland district for the balance of the funds required to erect in the Auckland Domain a War Memorial Museum, which was declared to be the most appropriate form for Auckland's War Memorial to take; and further, the meeting resolved that all questions arising therefrom be referred to such Citizens' Committee with power to act. At a subsequent meeting of the committee, Mr. J. H. Gunson (President of the Auckland Institute and Museum), was appointed Chairman of the Committee, Mr. V. J. Larner Treasurer, and Mr. W. Elliott Secretary. It was further resolved that these three gentlemen should be the Trustees of the Building Fund. On further consideration, it was decided to fix £200,000 as the objective of the fund; the general opinion being that such a sum will be required to erect a memorial worthy of the city and its inhabitants.

Almost immediately after the appointment of the Committee, the City Council, acting with a high sense of civic responsibility, decided to vote £10,000 to the fund. This was followed by a donation of £5,000 from the Auckland Harbour Board; while the two chief Insurance Companies—the New Zealand and the South British—have each given the sum of £2,000.

Since then, many public institutions and private individuals have made large contributions. So far, the Citizens' Committee have published no authoritative list of donations, but it is understood that such will be shortly issued. In the meantime, it is no breach of confidence to say that the total of the contributions made, a considerable proportion of which has been actually

received, is sufficiently large to ensure the final success of the movement.

It is not without justifiable pride that this sketch of the attempt to provide funds for the Auckland War Memorial has been written. The beginning has been so unexpectedly full and generous that it cannot be doubted that the objects of the promoters will be fully attained. And if so, the citizens of Auckland will leave behind them a proof of far-seeing generosity that it will be difficult to match in cities of much larger size.





# The Treasurer in Account with the Auckland Institute and Museum Trust Board.

## 1.—WORKING ACCOUNT.

February 18th, 1920, to February 21st, 1921.

	£.	s.	d.		£.	s.	d.
Balance in the Bank of New Zealand, February 18, 1920 .. .. .	259	16	9	Library—Books, Periodicals, Binding .. ..	141	8	11
Members' Subscriptions .. .. .	429	9	0	Additions to Museum .. .. .	41	7	8
Interest from Costley Bequest .. .. .	466	10	0	Museum Requisites .. .. .	28	5	3
Rents and Interest transferred from Museum Endowment Account .. .. .	764	12	10	Salaries .. .. .	1,103	11	4
Interest from Mackechnie Bequest .. .. .	120	0	0	Printing, Advertising, Typing, Insurance, Gas, Annual Cleaning, Expenses of Meetings, Stationery, Postages, and other expenses ..	320	17	4
Interest from Campbell Bequest .. .. .	45	0	0	Fittings, Repairs to Buildings, etc. .. ..	10	16	6
Interest from Nathan Bequest .. .. .	7	10	0	Call by New Zealand Institute towards defraying the cost of the Transactions ..	21	17	6
Interest from Life Subscription Account .. ..	22	1	1	Cost of Printing Booklet <i>re</i> War Memorial Museum .. .. .	29	13	6
Miscellaneous Receipts .. .. .	12	2	8	Legal Expenses .. .. .	21	6	0
				Life Subscriptions transferred to Savings Bank .. .. .	21	0	0
				Miscellaneous Payments .. .. .	13	5	0
				Balance in Bank of New Zealand, February 21, 1921 .. .. .	373	13	4
	£2,127	2	4		£2,127	2	4

T. F. CHEESEMAM, Treasurer.

I have examined the above statement and checked the books and vouchers in connection therewith. I hereby certify that it is a correct statement of the working expenses and receipts to February 21, 1921.

S. GRAY, F.R.A.,  
Auditor.

# The Treasurer in Account with the Auckland Institute and Museum Trust Board.

## II.—MUSEUM ENDOWMENT ACCOUNT.

February 18th, 1920, to February 21st, 1921.

	£.	s.	d.		£.	s.	d.
Balance in the Bank of New Zealand, February 20, 1920 .. .. .	3	17	1	Transferred to Working Account .. .. .	764	12	10
Endowments Sold .. .. .	35	14	8	Transferred to Investment Account .. .. .	35	14	8
Rents of Endowments .. .. .	52	1	7	Bank Charges .. .. .	0	10	0
Interest on Investments .. .. .	713	1	3	Balance in the Bank of New Zealand, February 21, 1921 .. .. .	3	17	1
	<u>£892</u>	<u>10</u>	<u>10</u>		<u>£892</u>	<u>10</u>	<u>10</u>

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## III.—MACKECHNIE LIBRARY BEQUEST ACCOUNT.

	£.	s.	d.		£.	s.	d.
Balance in the Bank of New Zealand, February 20, 1920 .. .. .	5	13	6	Transferred to Working Account .. .. .	120	0	0
Interest on Investments .. .. .	120	0	0	Bank Charges .. .. .	0	10	0
	<u>£125</u>	<u>13</u>	<u>6</u>	Balance in the Bank of New Zealand, February 21, 1921 .. .. .	5	3	6
					<u>£125</u>	<u>13</u>	<u>6</u>

T. F. CHEESEMAM, Treasurer.

Audited and found correct.

S. GRAY, F.R.A.,  
Auditor.

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Invested Funds  
OF THE  
Auckland Institute and Museum.

FEBRUARY 21, 1921.

I.—APPORTIONMENT UNDER STATUTORY HEADINGS OR BY  
RESOLUTION OF THE COUNCIL:—

	£	s.	d.
Costley Bequest .. .. .	7,700	0	0
Museum Endowment .. .. .	12,076	17	4
Mackechnie Library Bequest .. .. .	2,000	0	0
Campbell Bequest .. .. .	1,000	0	0
Nathan Bequest .. .. .	100	0	0
Life Subscription Account .. .. .	334	11	5
	<u>£23,211</u>	<u>8</u>	<u>9</u>

II.—MODE OF INVESTMENT:—

	£	s.	d.
Mortgages on Freehold Securities .. .. .	17,500	0	0
Corporation and Harbour Debentures .. .. .	5,000	0	0
Gas Company Debentures .. .. .	600	0	0
Deposited in Auckland Savings Bank .. .. .	54	11	5
Waiting Investment .. .. .	56	17	4
	<u>£23,211</u>	<u>8</u>	<u>9</u>

T. F. CHEESEMAM, Treasurer.

I have examined the Deeds of the Securities and the Bank Certificate of Debentures held and receipts for money on deposit in Bank, and certify the above Statement to be correct.

S. GRAY, F.R.A., Auditor.

### Form of Bequest.

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*I give and bequeath to the Institution known  
as the Auckland Institute and Museum the sum of  
£                      free of succession or estate duty,  
to be applicable for the general purposes of such  
Institution. And I declare that the receipt of the  
Treasurer or the proper officer for the time being  
of such Institution shall be a sufficient discharge  
for the same.*

List of Benefactions  
made to the  
Auckland Institute and Museum  
of an amount (or value) exceeding £50.

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1876.

£2,026 subscribed by the citizens of Auckland towards meeting the cost of the first portion of the present Museum Buildings. (This sum included two donations of £500 each from Mr. Justice Gillies and the Hon. T. Williamson.)

1876.

Presentation made by Mr. R. C. Barstow of a large and varied collection of Maori articles, including flax and dog-skin cloaks, carvings, greenstone ornaments, bone and stone meres, fish-hooks, etc., etc.

1877.

Bequest from Mr. G. F. Edmonston of 564 volumes of standard works on Physical and Natural Science.

1878.

Donation from Mr. T. Russell, C.M.G., of 34 plaster-casts and busts from the antique.

1878.

£106 donated by Mr. J. C. Firth to cover the expense of show-cases in the Museum.

1879-1883.

Mr. J. T. Mackelvie presented 260 volumes of books relating to the early history of New Zealand; 130 volumes of miscellaneous scientific works; a collection of ethnographical specimens from the Swiss Lake Dwellings; and 40 picked mineral specimens.

1884.

Bequest from Mr. Edward Costley of £12,150.

1887.

Bequest from Mr. David Nathan of £100.

1887.

Bequest of Maori articles from Mr. C. O. Davis, comprising dog-skin and feather mats; taiahas, paddles, spears; bone and wooden meres; carved boxes; and a variety of other articles.



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1897-1898.

Donation of £100 from Mr. T. Russell, to cover the expense of forming a collection of geological specimens from the Cape Colville Peninsula.

1901.

Japanese Shinto Shrine, elaborately lacquered and decorated, presented by Mr. L. D. Nathan.

1901-1902.

£1,000 subscribed by the citizens of Auckland for the purchase of the Mair Collection of Maori Ethnographical Articles.

1902-1903.

Bequest of £2,500 from Mr. E. A. Mackechnie (£2,000 to be invested in order to produce an income for the purchase of books for the Library of the Institute; £500 to be expended in providing groups of the larger mammals and the necessary show-cases.)

1906-1907.

£662 subscribed by the citizens of Auckland for the purchase of Mr. Fenton's elaborately carved Pataka, and for the purchase and erection of the Runanga House, Rangitihī.

1911-1912.

£684 subscribed by the citizens of Auckland for the purchase of ancient historic Maori Carvings; and for other additions to the Museum.

1913.

Bequest of £1,000 from Sir John Logan Campbell.

1913.

Donation from Mr. Henry Shaw of 62 volumes of Geographical and Scientific works, and of 110 volumes from Mr. F. Shaw.

1913.

Unusually large and complete collection of Kauri Gum, containing 400 examples, together with the plate-glass show-case containing the same, presented by the Hon. E. Mitchelson.

1915.

Series of 79 specimens of Old English Glass, ranging from the time of the Roman occupancy of Britain to the middle of the eighteenth century. Presented by Dr. C. E. R. Bucknill.

1916.

Collection of 131 specimens of Japanese Ivories, Bronzes, and Cloissoné, many possessing considerable ethnographical and artistic value. Presented by Mr. Henry Shaw.

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1917.

Collection of 120 Ethnographical specimens, 55 being of **Maori** origin, and including several rare and valuable articles, the remainder Polynesian or Melanesian. Bequeathed by Miss Ruth G. Northcroft.

1919.

Series of 89 Ethnographical specimens from North-west India, comprising swords, daggers, knives, shields, etc.; also many fine art objects. The collection was originally formed by the late Mr. J. E. Yates, and is now presented to the Museum by his daughters, the Misses Yates.

1920.

Collection of Skins of North American Mammals, obtained in Alaska, comprising specimens of the Alaskan Brown Bear, the Black Bear, the Moose, and the Bighorn Sheep. Presented by Mr. James Dunning.



## Additions and Donations

TO THE

### Library and Museum.

- Various Parliamentary Papers and Reports; New Zealand Hansard for 1920; Monthly Abstracts of Statistics for 1920; Journal of Agriculture for 1920; 53rd Annual Report of the Dominion Laboratory; New Zealand Official Year-book for 1918: — The New Zealand Government.
- Journal of the Polynesian Society, vol. 29:—The Society.
- The New Zealand Journal of Science and Technology:—The Board of Science and Art.
- Journal of the Linnean Society of New South Wales, parts of vols. 44 and 45:—The Society.
- Records of the Australian Museum, Sydney, vol. 13:—The Museum.
- Critical Review of the Genus *Eucalyptus*, parts of vols. 4 and 5:—Dr. Maiden.
- Guide to the Taronga Zoological Park, Sydney:—C. Hedley.
- Science and Industry, parts of vol. 2:—The Commonwealth Board of Science and Industry.
- The Australian Naturalist, parts of vol. 4:—The Editor.
- Proceedings of the Royal Society of Victoria, vol. 31:—The Society.
- Proceedings of the Royal Society of Queensland, vol. 31:—The Society.
- Memoirs of the Queensland Museum, vol. 7:—The Museum.
- The Queensland Naturalist, vol. 2:—The Editor.
- Hawaii 128 years ago—David Douglas, Botanist, at Hawaii:—W. F. Wilson.
- Occasional Papers of the Bishop Museum, Honolulu, vol. 7, parts 3-5.
- Various Publications of the Bureau of American Ethnology: — The Bureau.
- Bulletins of the U.S. Department of Agriculture, Nos. 796, 807, 805, 812, 833, 834, 841; Farmers' Bulletins 650, 675, 801, 1076, 1086, 1094, 1101; Brook's Apple-tree Borer; Baker's Classification of the Aphididae; Hitchcock's Genera of American Grasses; McAtee and Oberholser's Waterfowl and Wild Ducks of Nebraska; White's American Foul Brood; Year-book of the Department of Agriculture for 1919; Willard's Parasitism of the Fruit-fly in Hawaii; Turner's Lepidoptera at Light Traps; Collins and Wood's Life History of *Calosoma*; Aldrich's European Fruit-fly in North America:—The United States Department of Agriculture.
- Vaughan's Fossil Corals from Central America; Banks' Nearctic Termites; Proceedings of the U.S. National Museum, vols. 55, 56; North American Tertiary Bryozoa; Monograph of the American Scaphopod Mollusks; Macrurid Fishes of the Philippine Islands; Contributions to the United States National Herbarium, parts of vols. 20 to 22; Report of the United States National Museum for 1917 and 1918:—The United States National Museum.

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- Annual Report of the American Museum of Natural History:—The Museum.  
Annual Reports of the Field Museum for 1917-1919:—The Museum.  
14 publications of the John Crerar Library: Annual Report for 1918:—The Library.  
Report on Smelter Treatment Rates; Production of Metals in Canada in 1918; McLeish's Production of Iron and Steel in Canada for 1918; The Production of Coal and Coke; Annual Report on the Mineral Production of Canada for 1918; Summary Report of the Mines Branch; Spence's Graphite; McLennan's Sources of Helium in the British Empire; Cook's Geology of Malachewan; Schofield's Geology and Ore Deposits of Ainsworth, British Columbia; Report of Munition Resources, Canada: — The Department of Mines, Canada.  
Transactions and Proceedings of the Nova Scotian Institute, vol. 14:—The Institute.  
Annals of the Astronomical Observatory of Harvard College:—The Harvard Observatory.  
Churchill's Club Types of Polynesia (Carnegie Institute):—G. Graham.  
L. T. Bailey's Gentes Herbarum:—The Author.  
Contributions from the Botanical Laboratory of the University of Pennsylvania:—The University.  
Scott's Evolution of Plants:—F. S. Fisher.  
Kew Bulletin, parts of vols. for 1919-1920:—The Director, Kew.  
United Empire Journal for 1919-1920:—The Royal Colonial Institute.  
Symon's Monthly Meteorological Magazine for 1920:—The Editor.  
Annual Report of the Bristol Museum:—The Editor.  
Annual Report of the Sheffield Public Museum and Art Gallery:—The Museum.  
The Museums' Journal for 1920:—The Museums' Association.  
Report of the Belfast Natural History Society for 1918-1919:—The Society.  
Report of the Royal Scottish Museum, Edinburgh, for 1919-1920:—The Museum.  
Report of the Castle Museum, Norwich, for 1919:—The Museum.  
Report of the Rhodesian Museum for 1918-1919:—The Museum.  
Illuminated Manuscripts in the British Museum, by G. F. Warner:—Mrs. I. C. Smith.  
Hutchins' New Zealand Forestry; Harle's Fixation of the Dunes of Saxony:—The Department of Forestry.  
Explorations and Surveys from the Mississippi River to the Pacific Ocean, vol. 10:—F. Kearsley.  
Publications and Maps relating to the Czechoslovak Republic:—The Consul-General, Sydney.  
Forty-one volumes of "Engineering" — Bequeathed by the late H. Metcalfe, C.E.

## BOOKS PURCHASED.

- Crowther's Ions, Electrons, and Ionizing Radiations.  
Teed's Chemistry.  
Don's Water Purification.  
Simmonds' Alcohol.  
Willis' Flowering Plants and Ferns.  
Howard's Timbers of the World.  
Bower's Lectures on Sex and Heredity.

- Hall's The Soil.  
Soddy's Science and Life.  
Gehrs' Productive Agriculture.  
Russell's Soils and Manures.  
Doncaster's Introduction to Cytology.  
Whitehead's Principles of Natural Knowledge.  
Kean's Man, Past and Present.  
Wohlgenuth's Pleasure—Unpleasure.  
Fox Pitt's Purpose of Education.  
Jeans' Problems of Cosmogony.  
Shaw's Manual of Meteorology.  
Willis' Agriculture in the Tropics.  
Fisher's Why the Dollar is Shrinking.  
Shackleton's South, The Story of the 1914-17 Expedition.  
Barker's Economic Statesmanship.  
Bedford's Science of Fruit Growing.  
Thomson's Heredity.  
Stebler's Best Forage Plants.  
Duncan's Insect Pests and Plant Diseases.  
Bainbridge's Physiology of Muscular Exercise.  
Bayliss' Introduction to General Physiology.  
Beaver's Unexplored New Guinea.  
Brown's Spitsbergen.  
Gibson's Wonders of Scientific Discovery.  
Pollard's Short History of the Great War.  
Keith's Engines of the Human Body.  
Butler's Through Lapland with Skis and Reindeer.  
Keyn's The Economic Consequences.  
Savage's Food and Public Health.  
Benson & Betts' Agriculture and the Farming Business.  
Mercier's Spiritualism of Sir Oliver Lodge.  
Fleming's The Thermionic Valve.  
Hayward and Freeman's Spiritual Foundations of Reconstruction.  
Kanthack's Refractive Indices, vol. 1, Essential Oils.  
British Antarctic "Terra Nova" Expedition. Zoology, vol. II., No. 9-10.  
Todd's Mechanism of Exchange.  
Heath's Aristarchus of Samos.  
Searle's Cement, Concrete, and Bricks.  
Hübner's Bleaching and Dyeing.  
Lydekker's Wild Life of the World, 3 vols.  
Engler's Pflanzenreich, 13 recent parts.  
Chambers' Story of the Comets.  
Ostwald's Colloid Chemistry.  
Molinari's Chemistry, Vol. 1.  
Riddle's Orthogenetic Evolution in Pigeons, 3 vols.  
Scientific Results of the Scotia Antarctic Expedition, vol. 7.  
Coulter's Plant Genetics.  
Zoological Record, Vol. 54.  
Cambridge British Flora, vol. 3, parts 1-2.  
Publications of the British Antarctic "Terra Nova" Expedition, various parts.  
Year Book of the U.S. Dept. of Agriculture.  
Groves' British Charophyta, vol. 1 (Ray Society).  
Lucas's Monograph of the British Orthoptera (Ray Society).  
Budge's By Nile and Tigris, 2 vols.  
Morgan's Evolution.



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- Southall's Mirrors, Prisms, and Lenses.  
Chalmers' Production and Treatment of Vegetable Oils.  
Bew's The Grasses and Grass Lands of South Africa.  
Coover's Experiments in Psychical Research.  
Royal Society Catalogue of Scientific Papers, vol. 17.  
British Association Reports, 1915-1917, 3 vols.
- Two specimens of Foetal Whales:—Capt. Cook, of the whaler "Hananiui."  
Albino Mouse:—Mrs. Johnson.
- Two Eggs of Stitch Bird (*Pogonornis cincta*), found in a deserted nest on the Little Barrier Island. Presented by the caretaker, Mr. R. Nelson.
- Long Tailed Cuckoo (*Urodynamis taitensis*), taken at Katikati:—D. Sinclair.
- Long Tailed Cuckoo (*Urodynamis taitensis*), taken at Mount Eden:—Miss Richmond.
- Skin of Shining Cuckoo (*Chrysococcyx lucidus*):—Mr. P. E. Cheal.
- Specimen of *Orlygometra tabuensis*, obtained at Te Kuiti:—Messrs. Mackay and Jones.
- Partial Albino of Native Pigeon (*Hemiphaga novae-zealandiae*), obtained at Tauranga:—G. P. Humphreys.
- Partial Albino of Californian Quail, from Ngatea:—Mr. Hallyburton Johnstone.
- Skin of Bird of Paradise:—Mrs. H. Worsp.
- Specimen of Rifleman (*Acanthidositta chloris*):—Mr. R. L. Guthrie.
- Skin of Common Godwit, from Opaheke:—J. McKinnon.
- Two Black Oyster Catchers; one Pied Oyster Catcher; one *Sterna caspia*:—Mr. G. Henning.
- Living specimen of (*Apteryx Mantelli*).
- Albino Weka (*Ocydromus Earlii*):—Mr. A. Vinson.
- Green Lizard (*Naultinus punctatus*):—Mr. R. Stansel.
- Iguana (*Varanus varius*), from Australia:—Presented by the Collector of Customs.
- Hippocampus abdominalis*:—Mr. R. G. Stokes.
- Callanthias splendens*:—Mr. Bostock, of the trawler "Simplon."
- Specimen of *Spheroides spadicus*:—In exchange from the Australian Museum, Sydney.
- Hepialus virescens*:—D. T. J. Watkin.
- Specimen of *Dasypodia seleniphora*, from the Manukau Heads:—Mr. A. Scopes.
- Numerous specimens of *Peripatus*, obtained near Tirau:—Mr. Weightman.
- Paryphanta Busbyi*:—Mr. J. Rawnsley.
- Two black-rimmed Pearl-Oysters; four species of *Cypræa*; three Necklaces; three Pearl-shell Fish-hooks:—Presented by Madam Leverd.
- Box of Foreign Shells, mainly from the Pacific Islands:—Mr. H. C. Partridge.
- Fresh-water Shells and box of Land Shells, from Malaita, Solomon Islands; Eggs of *Phaeton rubricauda*; Eggs of White-capped Tern and White Heron; two small Land Rails, all from the Hervey Islands:—Mr. R. W. Gosset.
- Globular Iron Ore, found at Te Araroa:—Mr. G. E. Smith.
- Specimen of Autunite, from Portugal:—Mr. W. Knox Chambers.
- Lava from Kilauea, Hawaiian Islands:—Major Large.

- Block of Limestone, with numerous impressions of Sharks' teeth:—Mr. G. H. R. Spick.
- Crystallised Selinite, from Ireland; large slab of crystallised Quartz; block of Sulphur; box containing other miscellaneous minerals and foreign shells:—The Misses Isaacs.
- Large specimen of Monoclinic Ferrous Asbestos (Amosite), from South Africa:—Egnet Ltd., per Mr. C. H. Holland.
- Specimen of Pilolite, from the King Country:—Mr. C. H. Holland.
- Amethystine Quartz and Chert, from Mangapai:—Mr. T. T. Jones.
- Block of Silicified Wood, from Mount Eden:—Miss Herrick.
- Large collection of Kauri Gum, with glass case containing the same:—Presented by G. W. S. Patterson & Co., per R. E. Isaacs.
- Block of Sandstone, from the Hikurangi Limestone, containing a dense mass of fossil shells:—Mr. John Henderson.
- Large block of Calcareous Encrustation, from the "big pump," Thames:—Hon. W. McCullough.
- Collection of Plants from New South Wales:—Miss Nolan.
- Eight polished specimens illustrating the adaptability of the trunks of New Zealand Tree Ferns for ornamental purposes:—Mr. G. L. Hansen, Te Araroa.
- Cork, grown in Auckland:—Mr. A. Sinclair.
- Three specimens of Crude Rubber, from Samoa:—Dr. Swale.
- Very large and valuable collection of ethnographical specimens, containing many hundreds of articles illustrating the life history of the Fijian Race, together with a comparative series from Polynesia and Melanesia:—Presented by Mr. J. B. Turner. (The collection is at present in Fiji, but will shortly be transferred to New Zealand).
- Elaborately Carved Screen, prepared from Tridacna shell, probably of mythological significance. Obtained in the Solomon Islands, and presented by:—Rev. Mr. Sinclair, per Mr. J. W. Court.
- Large Carved Stone Anchor, found near Mount Maunganui, Tauranga:—Mr. L. Stevens.
- Five Native-made Pipes from South Africa:—Mrs. Brooke-Smith.
- Spear from the Solomon Islands:—Mr. C. Arnold.
- Ethnographical articles from Assyria, comprising seventeen clay tablets or seals; one Roman Lamp; four scarabs; one Palm-leaf from a book; sixteen white metal coins; five Ptolemaic coins; ten modern copper coins; 55 articles in all:—Mr. Graham Findlay.
- One bundle of stone-dressed laths, seventeen in all; one kumara weeder; one long Ko or Spade; two wooden wedges; one Wooden Pounder; two flax beaters; two large ear-rings, stone worked:—Mr. L. Carter.
- Two Kumara Weeders; two Eel Killers; seven Hoanga or Grindstones; 15 pounders, various; four wooden wedges; 18 stone-worked slabs; seven pieces of palisading; one box-lid with carved handle; one slender ko or Spade; one hinaki; one wooden implement of unusual shape; three wooden fragments; one small wooden scoop; one wooden comb; two worked bone fragments; one piece of kokowai; one bundle of ancient lashing from a Pah fence; four stone adzes; one parcel of berries from an ancient Maori Store-pit; one large Pah post:—Messrs. Miln, Benny and Bond.
- One large kumete or food bowl; 3 Dutch tiles, 17th century date; two kumara weeders; one wooden top; one small hinaki; one flax-beater; 5 stone adzes:—Mr. R. Muir.

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- One carved canoe bailer; one fern pounder; one stone pounder; seven stone adzes; one Kaffir loin-cloth; one set of Kaffir wristlets in brass; six old wooden dies or stamps; one old English copper warming-pan; two pairs of old horn spectacles; one piece of old china; one wooden egg-cup; one wine-glass used by Chas. Dickens:—Presented by Mr. J. A. Leonard.
- One stone pounder:—Mr. Ross.
- One hinaki; one eel killer:—Mr. J. Kidd.
- One carved boundary post:—Mr. T. Dunbar.
- One stone wedge:—Mr. W. Hammond.
- One carved walking stick:—Mrs. Shelley.
- Obsidian Mere, ploughed up on the Hopai Road; stone top:—Mr. C. H. Waite.
- Large breast ornament, from San Cristoval; small ditto, from the same place; shell money from Reef Island, Santa Cruz; two ornaments set with teeth of the Flying-Fox; two nose ornaments made from Tridacna shell; 17 ear ornaments, worn horizontally in the lobe of the ear, from Malaita; 6 other ear ornaments:—Purchased from Miss Lillian Poole.
- Piupiu or Maori Cloak:—Mrs. J. H. Frater.
- Carving inlaid with pearl from Tambu House, Solomon Islands; one short spear; 2 broad-headed clubs; stone adze from Polynesia; 2 short shark's teeth knives from the Marshall Islands; 3 clubs from Polynesia, exact locality not known; two wooden fish-hooks.
- Specimens of dressed flax or Muka; small tekoteko; one pair of poi balls; variety of Maori kit called Tukohu; pair of shoulder straps, from Shoal Bay; greenstone ear pendant, found on the Three Kings, Epsom:—Mr. G. Graham.
- Kaffir bead work apron:—Donor unknown.
- 12 silver and copper coins:—Mr. Hebdon.
- Ivory sling stones used by the Esquimaux of Alaska:—Per Mr. J. Dunning.
- Armlet of Trochus shell; two surgical instruments used for discharging boils; two contrivances used for catching Octopi, all from the Loyalty Islands:—Mr. J. W. Hadfield.
- Four Celts; 8 arrow-heads; one stone hammer from North America:—Mr. H. J. North.
- Four polished stone adzes:—Mr. C. O'Dwyer.
- Long Ko or Maori spade, with carved handle; one large carved wooden fern pounder; one net float:—Presented by Garry Bros.
- One kumara weeder; one weaving stick:—Mr. Hallyburton Johnstone.
- Hinaki, found on the shore of the Waikato River:—Mr. H. J. Gilberd.
- Maori Ko or Spade, dug up near Opotiki:—Mr. W. W. Parkinson.
- Ancient bone fish-hook, formerly the property of the late Mr. John White; miniature silk flag, presented by the Ladies of Whanganui to certain Maori Chiefs in recognition of their services during the Maori War:—Miss White.
- Piupiu Cloak:—Donor Unknown.
- Block of greenstone, showing rubbing and pecking, from the Urewera Country:—Purchased from Mrs. A. E. McCreedy.
- Maori hoanga or grindstone, found near Clevedon:—Mr. S. A. Browne.
- Greenstone pekapeka, from the North Cape District:—Purchased from F. R. Wykes.

- Maori fish-hook, made out of a bronze rod:—Mr. Hammett.  
Three Gabbro stone hammers; two hand grindstones, from an ancient workshop at Nelson:—Exchange from F. V. Knapp.  
Stone adze from the Chatham Islands, and an ancient Crossbow:—Dr. A. C. Purchas.  
Three spines of Sting Ray from the Gilbert Islands:—Mr. A. J. Ellis.  
Kumara weeder:—Mr. W. McInnes.  
Maori stone hammer, found on the Summit of Mount Richmond, Otahuhu:—Mr. F. Wood.  
Five Maori wooden articles of unknown use; one long club:—Mr. Hansen, Tauranga.  
Stone fish-hook, probably from the Chatham Islands:—Presented by a visitor to the Museum.  
Old iron fish-hook, found near the mouth of the Ruakaka River:—Mr. A. Downie.  
Two stone headed clubs, from New Guinea:—Purchased.  
Block of Obsidian:—Mr. R. Cumberland.  
Long-handled wooden Scoop or Shovel, with raised edges; one long slender Ko:—Mr. D. Munro.  
Ancient plaited waist-belt:—Dr. Hinchey.  
Black Aphanite adze; one ordinary stone adze:—Mr. R. Wild.  
Ethnographical specimens from the Schaffhausen Cave; also a series of European land shells, all collected by Dr. Hauesler and presented by Dr. A. S. Brewis.  
Collection of 20 Australian Ethnographical specimens received in exchange from the Australian Museum, Sydney.  
Head of Egyptian Mummy, in good preservation:—Purchased.  
One carbine; 3 pistols; 2 powder flasks; one bullet mould:—Mr. A. H. Meiklejohn.  
German Machine Gun; rifle and bayonet; 2 water bottles; sword and scabbard of Brigadier-General Faddy, of Indian Mutiny fame; also various weapons used during the Maori War: — Presented by Lieut. S. T. Stidolph.  
Single barrel percussion shot-gun:—Mr. Hugh Wright.  
Early type of revolver:—Mr. W. A. Aldred.  
Pin fire revolver:—Mr. R. McLeod.  
Four barrelled pistol of unusual construction:—Constable Booth.

## LIST OF MEMBERS

For the Year ending March 31st, 1921

(with Postal Addresses).

(Members are requested to advise the Secretary of any change of Address.)

[Honorary and Life Members distinguished thus \*.]

- Abbott, R. H., City Chambers, Queen Street, Auckland  
Abel, R. S., care Abel, Dykes & Co., Shortland Street, Auckland.  
Adams, C. E., B.A., N.Z. Registrar of Deeds, Apia, Samoa.  
Adams, L., 12, Ewington Avenue, Mt. Eden.  
Aickin, G., Carlton Gore Road, Auckland.  
Alexander, J., Shortland Street, Auckland.  
Alexander, L. W., 1a, Victoria Building, Auckland.  
Algie, Professor R. M., M.A., University College, Auckland.  
Alison, A., Devonport Ferry Co., Auckland.  
Alison, Hon. E. W., M.L.C., Devonport Ferry Co., Auckland.  
Alison, Ernest, Takapuna.  
Alison, E. W., jun., Bank of N.Z. Chambers, Swanson Street, Auckland.  
Allen, John, 6, Cheltenham Terrace, Devonport.  
Allum, John, National Electrical and Engineering Co., Wellesley Street, Auckland.  
Ambury, S. J., Greenwood's Corner, Onehunga.  
Anderson, E., 4, Bassett Road, Remuera.  
Andrews, F. N., care of Andrews & Clark, Queen St., Auckland.  
Ardern, P. S., M.A., Remuera.  
Arey, W. E., Victoria Arcade, Auckland.  
Armitage, F. L., Gleeson's Buildings, High Street, Auckland.  
Arnold, C., Sandford's Buildings, Auckland.  
Arnoldson, L., Quay Street, Auckland.  
Arthur, T. B., Elliott Street, Auckland.  
Atkinson, H., Grafton Road, Auckland.  
Baker, C. C., Durham Street East, Auckland.  
Baker, G. H., Commerce Street, Auckland.  
Ball, W. T., Sylvan Avenue, Mt. Eden.  
Bamford, H. D., LL.D., N.Z. Insurance Buildings, Auckland.  
Bankart, A. S., Strand Arcade, Queen Street, Auckland.  
Bankart, F. J., Shortland Street, Auckland.  
Barr, J., Public Library, Wellesley Street, Auckland.  
Barr, J. M., Auckland Savings Bank, Queen Street, Auckland.  
Barry, S., Queen Street, Auckland.  
Bartlett, W. H., Queen Street, Auckland.  
Bartrum, J. A., M.Sc., University College, Auckland.  
\*Bates, T. L., Alfred Street, Waratah, Newcastle, New South Wales.  
Beattie, Dr. R. M., Mental Hospital, Avondale.  
Bell, R. W., Waihi.



- Binney, E. H., care of Binney and Sons, Fort Street, Auckland.
- Birch, F. W., Highwic Avenue, Epsom.
- Bishop, J. J., Dunvegan, Titi-rangi.
- Biss, N. L. H., Shortland Street, Auckland.
- Blomfield, E. C., Parr & Blomfield, Shortland Street, Auckland.
- \*Blomfield, G. R., "The Pines," Epsom.
- Bloodworth, T., 36, Scarborough Terrace, Parnell.
- \*Bloomfield, H. R., St. Stephen's Avenue, Parnell.
- Bloomfield, J. L. N. R., St. Stephen's Avenue, Parnell.
- Boucher, P. F., Piha.
- Bradley, Samuel, Onehunga.
- Bradney, H., Queen Street Wharf, Auckland.
- Brett, H., "Star" Office, Shortland Street, Auckland.
- Brown, E. A., Cleave's Buildings, High Street, Auckland.
- Brown, Professor F. D., Remuera.
- Bruce, W. W., Williamson's Chambers, Shortland Street, Auckland.
- \*Buchanan, A., Legal Chambers, Wyndham Street, Auckland.
- Buddle, C., Wyndham Street, Auckland.
- Buddle, H. D., Victoria Avenue, Remuera.
- Burns, R., Customs Street, Auckland.
- Burt, A., care A. T. Burt Ltd. Customs Street, Auckland.
- Bush, W. E., City Engineer, Auckland.
- Butler, J., Kauri Timber Co., Customs Street, Auckland.
- Buttle, B., Kaiapoi Woollen Company, Elliott Street, Auckland.
- Buttle, G. A., Victoria Arcade, Auckland.
- Buttle, J., Selwyn Road, Epsom.
- \*Cadman, F. P., care of Hoiland Gillett & Co., Albert Street, Auckland.
- \*Caldwell, D. R., Cambridge.
- Campbell, J. P., care Russell, Campbell & McVeagh, High Street, Auckland.
- Carlaw, J., 226, Symonds Street, Auckland.
- Carpenter, J. M., Newmarket.
- Carse, H., Kaiaka, Manganui.
- Carter, C. E., Ewing Street, Takapuna.
- Carter, C. M., Lake Town, Takapuna.
- Carter, M., Hallenstein's Buildings, Queen Street, Auckland.
- Casey, W., Hamilton Road, Ponsonby.
- Caughey, A. C., care Smith & Caughey, Queen Street, Auckland.
- Caughey, J. Marsden, care of Smith & Caughey, Queen St., Auckland.
- Chambers, S. G., 106, Victoria Arcade, Queen Street, Auckland.
- Chatfield, Dr. H. A., Queen Street, Auckland.
- Cheal, P. E., Cameron Road, Remuera.
- Cheeseman, T. F., F.L.S., F.Z.S., Museum, Auckland.
- Choyce, H. C., Remuera Road, Remuera.
- Clark, A., Wellesley Street, Auckland.
- Clark, H. C., Wellesley Street, Auckland.
- Clark, M., Wellesley Street, Auckland.
- Clark, R. G., care of Robertson Bros., Quay Street, Auckland.
- Clarke, S. I., P.O. Box 387, Auckland.
- Clay, T. B., care of S. Vaile & Sons, Queen Street, Auckland.
- Clayton, C. Z., Ellerslie.
- Clayton, D. L., Kauri Timber Co., Customs Street, Auckland.
- Cleave, A., High Street, Auckland.
- Clinch, J. A., Ph.D., Training College, Auckland.
- Coates, T., Orakei.
- Coe, James, Mt. Eden Road, Auckland.
- Colbeck, W. B., New Zealand Insurance Buildings, Queen Street, Auckland.

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- Cole, Rev. R. H., Gladstone Road, Parnell.
- Coleman, J. W., Lower Queen Street, Auckland.
- Colwill, J. H., Swanson Street, Auckland.
- Coombes, F. H., Victoria Avenue, Remuera.
- Cooper, A. N., Read, Towlê, Hel-laby & Cooper, High Street, Auckland.
- Cooper, Sir T., Supreme Court, Auckland.
- Copeland, M., 97, College Hill, Auckland.
- Court, A. J., G. Court & Co., Karangahape Road, Auckland.
- Court, G., Karangahape Road, Auckland.
- Court, J., Hamilton Road, Auckland.
- Court, J. W., Birkenhead, Auckland.
- Cousins, H. G., Principal of the Training College, Auckland.
- Craig, J. C., J. J. Craig, Ltd., Queen Street, Auckland.
- Crompton, W. J., 3, Mt. Pleasant Road, Mt. Eden.
- Crook, John, 10, Prospect Terrace, Mount Eden.
- Culling, T. S., Ferry Buildings, Queen Street, Auckland.
- Culpan, W., care of Hesketh & Richmond, Wyndham Street, Auckland.
- Davis, Ernest, care of Hancock & Co., Customs Street, Auckland.
- Davis, Elliot R., care Hancock & Co., Customs Street, Auckland.
- Dearsly, H., P.O. Box 466, Auckland.
- De Guerrier, F. E., Auckland Tramway Offices, Auckland.
- Dempsey, J., Newmarket.
- Dennin, John, care Hon. E. Mitchellson, Waimauku.
- Dettmann, Professor H. S., University College, Auckland.
- Donald, A. W., care A. B. Donald, Queen Street, Auckland.
- Donald, J. B., care A. B. Donald, Queen Street, Auckland.
- Downard, F. N. R., "The Carlton," Cambridge.
- Duder, R. W., Devonport.
- Duncan, A., Railway Offices, Auckland.
- Dunning, James, Lucerne Road, Remuera.
- Duthie, D. W., National Bank of New Zealand, Wellington.
- Eady, A., Queen Street, Auckland.
- Earl, F., K.C., Swanson Street, Auckland.
- Edgerley, Miss K., Girls' Grammar School, Auckland.
- Edmiston, H. J., care of Champ-taloup & Edmiston, Queen Street, Auckland.
- Edson, J., Waimarama, Tudor Street, Devonport.
- Egerton, Prof. C. W., University College, Auckland.
- Ellingham, W. R., Customs Street, Auckland.
- Elliot, G., Imperial Buildings, Queen Street, Auckland.
- Elliot, W., Imperial Buildings, Queen Street, Auckland.
- Ellis, A. F., Argyle Street, Ponsonby.
- Endean, J., jun., Waitemata Hotel, Auckland.
- Entrican, A. J., Customs Street, Auckland.
- Entrican, A. R., University College, Auckland.
- Entrican, J. C., Customs Street, Auckland.
- Evans, E. W., care Brown, Barrett & Co., Customs Street, Auckland.
- Ewen, J. F. A., care of Sargood, Son and Ewen, Ltd., Victoria Street West, Auckland.
- Fairclough, Dr. W. A., Imperial Buildings, Queen Street, Auckland.
- Fallon, R. A., 41, Calliope Road, Devonport.
- Fallon, W., Union Buildings, Customs Street, Auckland.
- Farrell, R., Anglesea Street, Auckland.
- Fenwick, Dr. G., A.M.P. Buildings, Auckland.

Fenwick, R., T. & S. Morrin & Fenwick, High Street, Auckland.

Ferguson, A. M., care John Burns and Co., Ltd., Customs Street, Auckland.

Firth, R. W., Wymondsley Road, Otahuhu.

Fisher, F. S., Birkdale.

Fleming, G. A., Remuera Road, Remuera.

Fleming, J., 142, Grafton Road, Auckland.

Florance, R. S., Stipendiary Magistrate, Gisborne.

\*Fowlds, Hon. G., Queen Street, Auckland.

Fowlds, G., jun., Queen Street, Auckland.

Frater, J. W., Stock Exchange, Auckland.

Frater, Captain W., Manukau Road, Parnell.

Frethey, Miss J., New Plymouth.

Furness, C. H., Customs Street East, Auckland.

Garlick, G. C., Tonson Garlick Ltd., Queen Street, Auckland.

Garrard, C. W., M.A., Education Offices, Auckland.

George, G., Technical College, Wellesley Street, Auckland.

George, Hon. S. T., St. Stephen's Avenue, Parnell.

Gerard, E., Union Buildings, Customs Street, Auckland.

Gibson, Noel, Dilworth Institute, Remuera.

Gillilan, H., St. Stephen's Avenue, Parnell.

Gillett, J., Hoiland & Gillett, Albert Street, Auckland.

Gillies, A. W., Remuera Road, Remuera.

Girdler, Dr., Khyber Pass Road, Auckland.

Gleeson, J. C., Lower Symonds Street, Auckland.

Goldie, A., Wallace Street, Ponsonby.

Goldie, D., Imperial Buildings, Auckland.

Goldie, H., Imperial Buildings, Auckland.

Gordon, Dr. F. W., Hillsborough.

Gordon, J. B., St. George's Bay Road, Parnell.

Gorrie, H. T., care of A. Buckland & Sons, Albert Street, Auckland.

Graham, A. G., care of Briscoe & Co., Customs Street, Auckland.

Graham, G., 25, Grafton Road, Auckland.

Grant, Miss J., M.A., Devonport.

\*Gray, A., Smeeton's Buildings, Queen Street, Auckland.

Gray, S., Mt. Eden Borough Council Offices, Mt. Eden.

Gray, W. A., M.I.C.E., 11, Waitemata Chambers, Auckland.

Greenbaugh, Henry P., 20, Lillington Road, Remuera.

Gribbin, G., care of Nicholson & Gribbin, Imperial Buildings, Queen Street, Auckland.

Griffin, L. T., Museum, Auckland.

Gulliver, T. V., 503, N.Z. Insurance Buildings, Auckland.

Gunson, J. H., Mayor of Auckland, Church Road, Epsom.

Gunson, R. W., Clifton Road, Takapuna.

Haddow, J. G., Wyndham Street, Auckland.

Haines, H., F.R.C.S., Shortland Street, Auckland.

Hall, Edwin, Seacliff Road, Onehunga.

Hall, J. W., P.O. Box 1048.

Hamer, W. H., C.E., Harbour Board Offices, Auckland.

Harbutt, S. J., Selwyn Road, Epsom.

Hardie, J. C., Queen Street, Auckland.

Harding, E., Dargaville.

Hardley, J. W., Customs Street, Auckland.

Harris, Louis, Huntly.

Harvey, A., Lower Albert Street, Auckland.

Hay, D. A., Montpellier Nursery, Remuera.

Hay, Douglas, Stock Exchange, Queen Street, Auckland.

Hazard, W. H., Customs Street West, Auckland.

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- Heather, H. D., Fort Street, Auckland.
- Hemmingway, W. H., Union Buildings, Customs Street, Auckland.
- Henning, G., 36, Remuera Road, Remuera.
- Herries, Sir W. H., M.P., Wellington.
- Hesketh, H. R., care of Hesketh & Richmond, Wyndham Street, Auckland.
- Hesketh, S., care of Hesketh & Richmond, Wyndham Street, Auckland.
- Hill, J. C., c/o of Hill & Plummer, Queen Street, Auckland.
- Hills, F. M., Arney Road, Remuera.
- Holderness, D., Harbour Board Offices, Auckland.
- Horton, E., "Herald" Office, Queen Street, Auckland.
- Horton, H., "Herald" Office, Queen Street, Auckland.
- Houghton, C. V., N.Z. Shipping Co., Quay Street, Auckland.
- Hovell, S. W., Waihi.
- Howey-Walker, A., Queen Street, Auckland.
- Hudson, C., Mount Eden Road, Auckland.
- Hunter, Ashley, C.E., Swanson Street, Auckland.
- Hutchinson, F. R., St. Heliers.
- Ick-Hewins, Dr. Leeston, Canterbury.
- Inglis, Dr. R. T., Alfred Street, Auckland.
- Isaacs, R. C., St. George's Bay Road, Parnell.
- Jackson, J. H., Customs Street, Auckland.
- Jackson, Thornton (Jackson, Russell, Tunks, & Ostler), Shortland Street, Auckland.
- Johnson, H. Dunbar, 151 Newton Road, Auckland.
- \*Johnson, Professor J. C., M.Sc., University College, Auckland.
- Johnston, Hallyburton, Ngatea, Hauraki Plains.
- Johnston, J. B., care of Stewart & Johnston, Wyndham Street, Auckland.
- Johnstone, A. H., Solicitor, Fort Street, Auckland.
- Joll, L., Mount Eden.
- Kalaugher, J. P., Education Offices, Auckland.
- Kenderdine, J., Sale Street, Auckland.
- Kent, B., Lower Symond Street, Auckland.
- Kent, G. S., St. Stephen's Avenue, Parnell.
- Kissling, H. P., St. Stephen's Avenue, Parnell.
- Knight, G., Asquith Avenue, Mt. Albert.
- Laidlaw, R. A., Hobson Street, Auckland.
- Lamb, J. A., Arney Road, Remuera.
- Lamb, S. E., B.Sc., University College, Auckland.
- Lancaster, T. L., B.Sc., University College, Auckland.
- Lang, Sir F. W., Queenstown Road, Onehunga.
- Larner, V. J., Swanson Street, Auckland.
- Laurie, B. A., care W. S. Laurie & Co., Customs Street, Auckland.
- Leighton, F. W., High Street, Auckland.
- LeRoy, E., Queen Street, Auckland.
- Lewisham, W. C., care of Robertson Bros., Quay Street, Auckland.
- Leyland, S. H., care of Leyland & O'Brien, Customs Street W., Auckland.
- Leyland, W. B., care of Leyland & O'Brien, Customs Street W., Auckland.
- Leys, Cecil, "Star" Office, Shortland Street, Auckland.
- Leys, T. W., LL.D., "Star" Office, Auckland.
- Lintott, G. S., Customs Street East, Auckland.
- Logan, R., Government Insurance Buildings, Queen Street, Auckland.
- Long, D., Farmers' Freezing Co., Queen Street, Auckland.

- Long, W. H., Woodford Road, Mount Eden.
- Lowe, Dr. De Clive, Lower Symonds Street, Auckland.
- Lunn, A. G., care of Collins Bros., Wyndham Street, Auckland.
- Lusk, H. B. M.A., King's College, Remuera.
- Mackay, G. J., Queen Street, Auckland.
- Mackay, J. G. H., Ellison Chambers, Queen Street, Auckland.
- Mackay, P. M., Wellesley Street, Auckland.
- Macky, T. H., care of Macky, Logan & Co., Elliott Street, Auckland.
- Mackellar, Dr. E. D., Manukau Road, Parnell.
- MacKenzie, Dr. Kenneth, Princes Street, Auckland.
- \*Macmillan, C. C., c/o Auckland Institute, Auckland.
- Mahoney, T., Swanson Street, Auckland.
- Mains, T., Tram Terminus, Remuera.
- Mains, W., Tram Terminus, Remuera.
- Mair, Captain G., Rotorua.
- Mair, S. A. R., Hunterville, Wellington.
- Major, C. T., King's College, Remuera.
- Makgill, Dr. R. H., Health Department, Wellington.
- Mander, F., M.P., Ranfurly Road, Epsom.
- Marriner, H. A., N.Z. Insurance Co., Queen Street, Auckland.
- Marshall, J., Te Ataahua, Remuera Road.
- Mason Mrs. F., care of Bank of Australasia, New Plymouth.
- Massey, Right Hon. W. F., M.P., Wellington.
- Matthews, H. B., Clonbern Road, Remuera.
- Maxwell, L. G., Lower Hobson Street, Auckland.
- McCullough, Hon. W., Thames.
- McDonald, Rev. W., Gardner Road, Epsom.
- McGregor, W. R., University College, Auckland.
- McIlwraith, Dr. J. W., 12, Mt. Hobson Road, Remuera.
- McIntosh, D. T., No. 5, Claybrook Road, Parnell.
- McKenzie, Capt. G., Devonport.
- McLaughlin, T. M., Phoenix Chambers, Queen Street, Auckland.
- McVeagh, R., care of Russell, Campbell & McVeagh, High Street, Auckland.
- Mennie, J. M., Albert Street, Auckland.
- Miller, E. V., 71, Upland Road, Remuera.
- Miller, E. N., Albert Street, Thames.
- Milne, J., care of John Chambers & Son, Fort Street, Auckland.
- Milne, Miss M. J., Remuera.
- Milne, Stewart, care of Milne & Choyce, Queen Street, Auckland.
- Milroy, S., Kauri Timber Co., Custom Street W., Auckland.
- Milsom, Dr. E. H. B., 18, Waterloo Quadrant, Auckland.
- Mitchelson, E. P., P.O. Box 873, Auckland.
- Mitchelson, Hon. E., Waitaramoa, Remuera.
- Montgomery, Dr. Gladys, Khyber Pass Road, Auckland.
- Morrison, A.R., Palmerston Buildings, Queen Street, Auckland.
- Morton, E., Customs Street, Auckland.
- Morton, H. B., Taumata, Wapiti Avenue, Epsom.
- Moses, H. C., No Deposit Piano Co., High Street, Auckland.
- Mulgan, A. E., "Star" Office, Auckland.
- Mullins, P., Shaddock Street, Mt. Eden.
- Murray, G. T., C.E., Public Works Office, Wellington.
- Myers, Hon. A. M., M.P., Campbell & Ehrenfried Co., Queen Street, Auckland.
- Myers, B., Symonds Street, Auckland.
- Napier, W. J. (Napier, Luxford & Smith), A.M.P. Buildings, Auckland.



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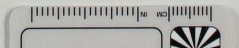
- Nathan, C. J., care of A. H. Nathan & Co., Customs Street, Auckland.
- Nathan, D. L., care of L. D. Nathan & Co., Shortland Street, Auckland.
- \*Nathan, N. A., Shortland Street, Auckland.
- Neve, B., Technical College, Wellesley Street, Auckland.
- Nicol, G., Customs Street W., Auckland.
- Nicholson, O., Imperial Buildings, Queen Street, Auckland.
- Nolan, H. O., N.Z. Loan and Mercantile Agency Ltd., Auckland.
- Oliphant, P., 24, Symonds Street, Auckland.
- \*Oliver, W. R. B., F.L.S., Museum, Wellington.
- Ostler, H. H. (Jackson, Russell, Tunks, & Ostler), Shortland Street, Auckland.
- Parr, Hon. C. J., C.M.G., M.P., Shortland Street, Auckland.
- Parsons, D. B., Colonial Sugar Co., Quay Street, Auckland.
- Partridge, H. E., Albert Street, Auckland.
- Patterson, D. B., 23, Shortland Street, Auckland.
- Peacock, T., Queen Street, Auckland.
- Perkins, A. W., care of Dalgety & Co., Customs Street West, Auckland.
- Petrie, D., Rosemead, Ranfurly Road, Epsom.
- Phileox, T., 11, Fairview Road, Mt. Eden.
- Pond, J. A., F.C.S., Queen Street, Auckland.
- Porter, A., care of E. Porter & Co., Queen Street, Auckland.
- Potter, E. H., P.O. Box 230, Auckland.
- Pountney, W. H., Fort Street, Auckland.
- Powell, A. W. B., Albany Avenue, Epsom.
- Powell, F. E., C.E., Ferry Buildings, Queen Street, Auckland.
- Poynton, J. W., 63, Epsom Avenue, Mt. Eden.
- Price, E. A., Cambria Park, Papatoetoe.
- Price, T. G., 109, Queen Street, Auckland.
- Pryor, S. H., 26, Pencarrow Avenue, Mount Eden.
- Pulling, Miss, Diocesan School, Epsom.
- Purchas, Dr. A. C., Symonds Street, Auckland.
- Pycroft, A. T., Railway Offices, Auckland.
- Ralph, W. J., Princes Street, Auckland.
- Rangihiroa, Dr., Public Health Department, Auckland.
- Rawnsley, S., Federal Street, Auckland.
- Rayner, Dr. F. J., Queen Street, Auckland.
- Reed, Mr. Justice, Supreme Court, Wellington.
- Renshaw, F., care of Sharland & Co., Lorne Street, Auckland.
- Rhodes, C., Ronaki, Remuera.
- Richmond, H. P., Arney Road, Remuera.
- Robb, J., Victoria Avenue, Mount Eden.
- Robertson, A. B., care of Heather, Robertson & Co., Fort Street, Auckland.
- Robertson, Dr. Carrick, Alfred Street, Auckland.
- Robertson, Dr. E., Market Road, Remuera.
- Robertson, Jas., Market Road, Remuera.
- Roche, H., Horahora, near Cambridge, Waikato.
- Rollett, F. C., "Herald" Office, Queen Street, Auckland.
- Rowe, J., Onehunga.
- Russell, E. N. A., care of Russell, Campbell & McVeagh, High Street, Auckland.
- Salt, G., MacBride, M.Sc., University College, Auckland.
- Saunders, W. R., Commercial Union Insurance Company, Commerce Street, Auckland.
- Saxton, A. C., Pyrmont, Sydney.
- Scott, D. D., care of Kempthorne, Prosser & Co., Albert Street, Auckland.

- Scott, Rev. D. D., The Manse, Onelunga.
- Segar, Prof. H. W., M.A., Manukau Road, Parnell.
- Shakespear, Mrs. R. H., Whangaparaoa.
- Shaw, F., Vermont Street, Ponsonby.
- Shaw, H., care of Public Library, Auckland.
- \*Shroff, H. R., 108, Victoria Street, Auckland.
- Simmonds, Rev. J. H., Wesley Training College, Epsom.
- Simson, T., Mt. St. John Avenue, Epsom.
- Sinclair, A., Kuranui, Symonds Street, Auckland.
- Sinclair, G., care of Pilkington & Co., Queen Street, Auckland.
- Skeet, H. M., Pencarrow Avenue, Mount Eden.
- Smeeton, H. M., Remuera.
- Smith, Capt. James, Franklin Road, Ponsonby.
- \*Smith, H. G. Seth, 88, Victoria Avenue, Remuera.
- Smith, S. A., Glenalvon, Auckland.
- \*Smith, S. Percy, F.R.G.S., New Plymouth.
- \*Smith, E., New Brighton, Miranda.
- Smith, Mrs. W. H., Princes Street, Auckland.
- Smith, W. Todd, Brooklands, Alfred Street, Auckland.
- Somerville, Dr. J., Alfred Street, Auckland.
- Somerville, J. M., Birkenhead, Auckland.
- Spedding, J. C., Market Road, Remuera.
- Stanton, J., Fort Street, Auckland.
- Stevenson, Arthur G., Gladstone Road, Mt. Albert.
- Stewart, D. F., care of R. S. Lamb and Co., 32, Jamieson Street, Sydney.
- Stewart, J. W., Wyndham Street, Auckland.
- Stewart, John A., Kainga-tonu, Ranfurly Road, Epsom.
- Stewart, R. Leslie, care of Brown and Stewart, Swanson Street, Auckland.
- Streeter, S. C., Enfield Street, Mt. Eden.
- Suter, A., Loutis, Clonbern Road, Remuera.
- Swan, H. C., Henderson.
- Talbot, Dr. A. G., A.M.P. Buildings, Queen Street, Auckland.
- Thomas, Professor A. P. W., F.L.S., Mountain Road, Epsom.
- Thornes, J., Queen Street, Auckland.
- Tibbs, J. W., M.A., Grammar School, Auckland.
- \*Tinne, H., Union Club, Trafalgar Square, London.
- Townson, W., Thames.
- Trounson, J., Northcote.
- Tudehope, R., Wellesley Street, Auckland.
- Tudehope, R. T., 189, Symonds Street, Auckland.
- Tunks, C. J. (Jackson, Russell, Tunks & Ostler), Shortland Street, Auckland.
- Turner, E. C., care of Turner & Sons, Market Square, Auckland.
- Upton, J. H., Bank of New Zealand Buildings, Swanson Street, Auckland.
- Upton, P., South British Insurance Co., Queen St., Auckland.
- Upton, P. T., P.O. Box 878, Auckland.
- Upton, Selwyn, "Star" Office, Auckland.
- Vaile, E. E., Broadlands, Waio-tapu.
- \*Vaile, H. E., Queen Street, Auckland.
- Veale, P. O., B.Sc., 1 Beresford Street, Auckland.
- Vernon, W. S., M.Sc., University College, Auckland.
- Virtue, P., Roller Mills, Quay Street, Auckland.
- Wake, F. W., Cleave's Buildings, High Street, Auckland.
- Walklate, J. J., Town Clerk, Auckland.
- Wallace, T. F., Waihi G.M. Co., Shortland Street, Auckland.
- Ware, W., Portland Rd., Remuera.

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- Warnock, J. A., 2, King Street,  
Grey Lynn.
- Wells, T. U., Westbourne Road,  
Remuera.
- White, P. C., care of S. White  
& Sons, Customs Street West,  
Auckland.
- White, R. W., Wellington Street,  
Auckland.
- Whitley, W. S., Albert Street,  
Auckland.
- Whitney, C. A., Colonial Ammu-  
nition Co., Auckland.
- Whittome, F., Newmarket.
- Williams, N. T., National Insur-  
ance Company, Queen Street,  
Auckland.
- Williamson, C., Commercial Bank  
Buildings, Auckland.
- Williamson, J. D., Northern Club,  
Auckland.
- Wilson, Andrew, District Sur-  
veyor, Hangatiki.
- Wilson, C. A., P.O. Box 1081,  
Auckland.
- Wilson, F. W., "Herald" Build-  
ings, Auckland.
- Wilson, G. A., Wilson & Canham,  
Ferry Buildings, Auckland.
- Wilson, H. W., Town Clerk,  
Northcote.
- Wilson, John, N.Z. Insurance  
Buildings, Queen St., Auckland.
- Wilson, J. A., care of A. Eady  
& Sons, Queen St., Auckland.
- Wilson, J. M., Portland Road,  
Remuera.
- Wilson, Liston, Upland Road,  
Remuera.
- Wilson, Martyn, Roselle, Lower  
Remuera.
- Wilson, Mrs. R. M., Russell Road,  
Remuera.
- Wilson, W. R., "Herald" Office,  
Queen Street, Auckland.
- Wing, S., Hellabys Ltd., Short-  
land Street, Auckland.
- Winkelmann, H., Victoria Arcade,  
Auckland.
- Winkelmann, Norman G. G., 23,  
Hellaby's Buildings, Auckland.
- \*Winstone, F. M., Claude Road,  
Epsom.
- Winstone, G., Customs Street E.,  
Auckland.
- Wiseman, F., Queen Street, Auck-  
land.
- Wiseman, J. W., Albert Street,  
Auckland.
- \*Withy, E., care of Auckland In-  
stitute, Auckland.
- \*Wood, Right Rev. C. J., D.D.,  
Bishop of Melanesia, England.
- Woollams, W. H., Queen Street,  
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- Worley, Professor F. P., D.Sc.,  
University College, Auckland.
- Wright, R., care of A. B. Wright  
& Sons, Commerce Street,  
Auckland.
- Wyllie, A., C.E., City Electrical  
Engineer, Auckland.
- Yates, E., Albert Street, Auck-  
land.
- Young, J. L., Henderson & Mac-  
farlane, Customs Street, Auck-  
land.

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